

NAME: \_\_\_\_\_ ( )

CLASS: \_\_\_\_\_

## Y6 DATA HANDLING: PROJECT 2

### QUESTION:

During which years do students grow the most (have growth spurts)?

### My Hypothesis (educated guess):

I predict that \_\_\_\_\_

...because \_\_\_\_\_

### DATA COLLECTION

This has been done for you. Over the past week, Y6 have been collecting data on the students in VSA from Y1-Y6 and in the past few years, Y6 collected some data from Y7-Y12 too. You do not need to include your raw data here or state how the data was collected.

### DATA ORGANISATION

You are expected to complete **at least two** different charts or graphs to represent your data. (Ideally choose either a tally frequency table or a stem and leaf diagram, and a pie chart or line graph). Remember to include titles, labels, etc. These must be hand drawn. If you need more space or graph paper, ask your teacher.

## SUMMARY/ANALYSIS OF DATA

Describe what each of your graphs show in the space below. Consider the trend or shape of your data, averages, range etc. Use full sentences in your descriptions.

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## CONCLUSION (PART 1)

State the conclusion to your question and explain what evidence you have supporting your claim. (This should **not** be a repeat of the summary).

[illegible]

## CONCLUSION (PART 2)

Describe how realistic your conclusion is and whether this makes sense in real life. How could you improve the accuracy of your investigation?

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### Extension 1: Further analysis of the “Height data”

Apart from using the height data to answer the inquiry question “During which years do students grow the most (have growth spurts)?”, we can use the data in many different ways.

In the spaces provided, show your understanding and ability to find averages (mean, mode, median, range) for at least two different year groups / age groups. (show clear workings)

[illegible]

**Extension 2:**  
Think of any question that you could find the answer to using the data given.

**My Hypothesis (educated guess):**

I predict that \_\_\_\_\_  
...because \_\_\_\_\_

**DATA ORGANISATION** (If you need more space or graph paper, ask your teacher.)

**SUMMARY/ANALYSIS OF DATA/ CONCLUSIONS**